

Title (en)

IMAGING LIDAR SYSTEM FOR SHALLOW AND COASTAL WATER

Publication

EP 0494700 A3 19930303 (EN)

Application

EP 92105505 A 19920331

Priority

US 77466391 A 19911011

Abstract (en)

[origin: EP0494700A2] An imaging lidar system for underwater applications is presented which is well suited for imaging and detecting underwater targets suspended above and on the bottom in shallow and coastal water. The present invention provides the capability for rapid and reliable search, detection, classification and localization of objects in the surf zone which may present hazards to navigation and utilization of coastal areas as well as undesirable effluents and biological fouling of underwater objects. The present invention provides an improved bottom tracker, improved ability to deal with brightness variation and surface glint, and computerized real time detection algorithms. <IMAGE>

IPC 1-7

G01S 17/88

IPC 8 full level

G01S 7/487 (2006.01); **G01S 17/18** (2020.01); **G01S 17/66** (2006.01); **G01S 17/89** (2020.01)

CPC (source: EP US)

G01S 7/487 (2013.01 - EP US); **G01S 17/18** (2020.01 - EP US); **G01S 17/66** (2013.01 - EP US); **G01S 17/89** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0422415 A2 19910417 - KAMAN AEROSPACE CORP [US]
- [A] US 4757200 A 19880712 - SHEPHERD ORR [US]
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EP0631154A1; EP3385752A1; CN110673112A; EP0698550A1; USRE49105E; US9797980B2

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